Sarang Shigwan

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Cloud Computing | Web Dev

Summary

Software Developer with experience building scalable backend services, REST APIs, and full-stack applications using Python, Java, React, Django, and Flask. Skilled in microservices, database design, and cloud-based deployments using Docker, GitHub Actions, and Terraform. Strong focus on clean, maintainable code and practical software engineering practices demonstrated through cloud and automation projects.

Education

Marathwada Mitra Mandal's College of Engineering, Pune, B.E   **Nov 2022 – May 2026**

CGPA : 9.24 (Agg. till date)

Modern College Of Arts Science and Commerce, Pune, H.S.C   **Sep 2020 – June 2022**

Percentage : 74.17

St. Francis De Sales School, Pune , S.S.C   **June 2007 – June 2020**

Percentage : 89.80

Experience

Backend Intern(AWS Cloud) - EvolvingX Pvt. Ltd.   **Oct 2024 – June 2025**

- Developed and maintained a full-stack web platform using React (frontend) and Django (backend), enabling dynamic user interactions and RESTful API integration.
- Deployed the complete application on AWS EC2, with production environment configuration, HTTPS setup, and database integration.
- Optimized backend performance and ensured secure API communication through token validation and middleware customization.

Projects

Precursor : Supply Chain tracking and monitoring (BE Project)   **Oct 2025 - Present**
- Developed a hybrid IoT and local-blockchain–based safety monitoring system using React Native for the mobile frontend.
- Integrated temperature and weight sensors (ESP32-based) to stream real-time data to the app via secure REST APIs.
- Implemented a lightweight local blockchain ledger to ensure tamper-proof storage of sensor readings.
  Skills: React Native, Python, Flask APIs, ESP32 IoT Sensors, Blockchain, ML Anomaly Detection, REST APIs

Microservices Inventory Tracker   **July 2025**
- Built a lightweight Inventory Tracker using Flask/FastAPI with two microservices for products and orders.
- Added JWT auth, rate limiting, and internal service-to-service APIs.
- Containerized using Docker and ran locally with Docker Compose for a fully free microservices setup.
  Skills: Flask/FastAPI, REST APIs, JWT Auth, Docker, Docker Compose, Microservices Architecture

ARTEMIS (Advance Reactive Threat Elimination and Monitoring Integrated System)   **May 2025**
- Built a phishing detection model with 90% accuracy, trained on URL features to identify malicious sites in real-time.
- Deployed honeypots on AWS EC2 to attract and log malicious traffic for threat pattern analysis.
- Developed a lightweight Web Application Firewall to detect and block SQL Injection, XSS, and apply rate limiting.
  Skills: Python, ML Classification, Feature Engineering, Honeypots, Web Application Firewall (WAF), Security Logging

Skills

- **Programming:** Python, Java, Bash
- **Backend:** Django, Flask, FastAPI, REST APIs, Microservices Architecture
- **Frontend:** React, HTML, CSS, JavaScript
- **DevOps:** Docker, Kubernetes, GitHub Actions, Terraform, CI/CD
- **Cloud:** AWS (EC2, S3, Lambda, RDS), Azure, API Gateway
- **Other:** Git, Linux, SQL, OOP, Design Patterns, System Design Basics

Achievements

- **AIR 2** SAENIS Efficycle 2024
- **Runner Up** at National GreenTech Hackathon (Dextirity 2024)
- **Winner** of Technical Event Udaan 2023

Licenses and Certifications   credly.com/users/sarang-shigwan

- Fundamentals of Cloud Computing by AWS Academy   **August 2024**
- Google Cybersecurity Professional Certificate by Google and Coursera   **June 2024**